BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

							Estimate Cost Rs.	5.00Lakhs	
Name of Work:- Repairs to Samudaya Bhavana and providing WPC to Govt..,School at Yelahanka 4th phase in Attur ward no-03.									
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar.(p.no,137/ si,no18.18,PWD SR 2016-2017)	Cum							
	Sump covering slab Area		1	3.00	2.40	0.15	1.08		
							1.08	403.92	436.23
	Basic Rate	374.00							
	Area Weightage 8%	29.92							
	Total	403.92							
2	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no141, PWD SR 2016-17)	Cum							
	Building surrounding levelling		2	15.00	2.00	0.35	21.00		
			1	10.00	2.00	0.35	7.00		
							28.00	**88.56**	**2480.00**
	Basic Rate	82.00							
	Area Weightage @ 8%	6.56							
	Total	**88.56**							

3	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2015-16	Cum							
			Vide Item No. 1				28.00	73.44	2056.00
	Basic Rate	68.00							
	Area Weightage @ 8%	5.44							
	Total	**73.44**							
4	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum							
	Flagging concrete		2	15.00	1.50	0.15	6.75		
			1	9.00	1.50	0.15	2.03		
	Flagging wall base concrete		2	15.00	0.25	0.10	0.75		
			1	9.00	0.25	0.10	0.23		
							9.75	5256.36	51250.00
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
5	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no13,sno4.11)	Cum							
	For Covering slab		1	3.00	2.40	0.15	1.08		

	Basic Rate	6011.00					1.08	6491.88	7011.00
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2016-17,p.no17,s.no4.46)	Tonne,s							
	0.090tonne,s / cum						0.10	61237.08	5952.00
	Basic Rate	56701.00							
	Area Weightage @ 8%	4536.08							
	Total	**61237.08**							
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2016-17 p.no15/4.31)	Sqm							
	For cover slab		1	2.60	2.00		5.20		
	Sides		2	3.00		0.15	0.90		
			2	2.40		0.15	0.72		
	Basic Rate	293.00					6.82	316.44	2158.00
	Area Weightage @ 8%	23.44							
	Total	**316.44**							
8	KSRB M2200-5.11.Design mix M20 with OPC cement @320 kgs,with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999 Reaffirmed-2008.etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no216,sno28.7.9)	Cum							

	Flagging concrete		2	15.00	1.50	0.12	5.40		
			1	9.00	1.50	0.12	1.62		
	Flagging wall Coping concret concrete		2	15.00	0.20	0.10	0.60		
			1	8.00	0.20	0.10	0.16		
	Sump raising walls coping		2	3.00	0.20	0.12	0.14		
			2	2.00	0.20	0.12	0.10		
	Sump inside concrete		1	2.60	2.00	0.15	0.78		
	Front concrete		1	6.00	4.00	0.12	2.88		
	Basic Rate	7151.00					11.68	7723.08	90206.00
	Area Weightage @ 8%	572.08							
	Total	**7723.08**							
9	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)	Sqm							
	Hand wash plat form side walls		1	2.00		0.60	1.20		
			2	0.90		0.60	1.08		
	Sump raising walls		2	3.00		0.60	3.60		
			2	2.00		0.60	2.40		
	Flagging wall		2	15.00		0.60	18.00		
			1	8.00		0.60	4.80		
	Sump inside steps		3	0.60		1.50	2.70		
	Basic Rate	937.00					**33.78**	**1011.96**	**34184.00**
	Area Weightage @ 8%	74.96							
	Total	1011.96							
10	5 mm thick plain glass(P.no XIII/S.no371 PWD SR 2016-2017)	Sqm							
	Window damaged glass		30	0.60		1.20	21.60		
	Ventilators		6	0.60		0.45	1.62		
	Basic Rate	650.00					23.22	702.00	16300.00
	Area Weightage @ 8%	52.00							
	Total	702.00							

11	KSRB 7.90:Providing and fixing MS grill work for windows and ventilators using MS flats,or Square rods,or Combination of M.S Flats and Square rods as per approved design,drawing including as per specifications and directions of the engineer in charge of the work.(p.no32/s.no7.90,pwd sr 2016-2017)	Kg,s							
	Gate		1	3.00		1.50	4.50		
	W		1	1.20		1.20	1.44		
	Staire case		1	15.00		0.80	12.00		
							17.94		
			(40kg X 1 Sqm)				717.60	84.24	60451.00
	Basic Rate	78.00							
	Area Weightage @ 8%	6.24							
	Total	84.24							
12	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification.	Sqm							
	Sump		1	2.60	2.00		5.20		
							5.20	195.48	1016.00
	Basic Rate	181.00							
	Area Weightage 8%	14.48							
	Total	195.48							

13	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge Providing lime rendering for plastering to wall and ceiling including cost of materials labour curing complete as per specifications **Internal wall** plastering	Sqm							
	Sump raising walls		2	2.60		0.80	4.16		
			2	2.00		0.80	3.20		
	Hand wash plat form side walls		2	2.00		0.80	3.20		
			4	0.90		0.80	2.88		
	Flagging wall		2	15.00		0.80	24.00		
			1	8.00		0.80	6.40		
	Basic Rate	221.00					43.84	238.68	10464.00
	Area Weightage 8%	17.68							
	Total	238.68							
14	Providing 18mm thick cement plaster in single coat with **cement mortar 1:6,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for **Outside Plastering**								
	Sump walls		2	3.00		1.00	6.00		
			2	2.40		1.00	4.80		
	Roof surface		1	3.00	2.40		7.20		
	Basic Rate	198.00					18.00	213.84	3849.00
	Area Weightage 8%	15.84							
	Total	213.84							

15	Providing and applying painting in two coats with **plastic Emulsion paint** of approved brand on ceiling surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge.**with primer**	Sqm							
	Building in side		1	60.00		3.00	180.00		
			1	60.00		3.60	216.00		
	Basic Rate	45.00					396.00	48.60	19245.60
	Area Weightage 8%	3.60							
	Total	48.60							
16	Providingexternalwallswithtexturein gapprovedbrandpaint,appliedunifor mlyinthreecoatsoveronecoatofprime rincludingcostofallmaterials,machin eries,labour,transportation,loading& unloading,allleadandliftandotherinci dentalchargesincludingscaffoldinga ndremovingstains,completeasperspe cification.(P125/15.103)	Sqm							
	Building out side		1	50.00		6.60	330.00	311.04	102643.20
	Basic Rate	288.00							
	Area Weightage 8%	23.04							
	Total	311.04							
17	KSRB 7.1: Providing and fixing inposition collapsablesteelshutterswithsingleor doubleleafwithverticalchannel20m mx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers, handles on borht sides with 7.5cms opeinings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.(P31/7.1)	Sqm							
	CG		1	2.40		2.10	5.04		
							5.04	4355.64	21952.43
	Basic Rate	4033.00							
	Area Weightage 8%	322.64							

	Total	4355.64							
18	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughlycleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, completeas per specifications.	Sqm							
	Building:-D	2.25	2	1.80		2.10	17.01		
	w	2.25	16	1.80		1.20	77.76		
	Toilet building:-D1	2.25	2	0.90		2.10	8.51		
	v	2.25	8	0.60		0.45	4.86		
	Basic Rate	41.00					108.14	44.28	4788.00
	Area Weightage 8%	3.28							
	Total	44.28							
19	Providing and Applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, clening the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P No. 102 Item No.15.60.1 PWD SR 2016-17)	Sqm							
			Vide Item No. 19				108.14	90.72	9810.00
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
	Total	90.72							
20	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised/mild steel tube 20 mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifictaions. Specification No. KBS 13.2.14/13.8. (P-90 & 13.1).	M							
			1	12.00			12.00	241.92	2903.04
	Basic Rate	224.00							
	Area Weightage 8%	17.92							
	Total	241.92							

21	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Specification No. KBS 13.2.2/13.3 (Page No. 80 & Item No. 13.23).	Each							
			4				4.00	293.76	1175.04
	Basic Rate	272.00							
	Area Weightage 8%	21.76							
	Total	293.76							
22	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or Blue and inner white layer of approved quality and make, conforming to I.S.I/ISO/SSI specifications.	Ltr.							
			2000				2000.00	6.48	12960.00
	Basic Rate	6.00							
	Area Weightage 8%	0.48							
	Total	6.48							
23	Urocon tiles(Approved data rate)	Sqm							
	Front		1	6.00	4.00		24.00	1500.00	36000.00
24	Miscellaneous charges	L/S							709.46
								Total RS	**500000.00**
	(Rupees Five lakh only)								

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

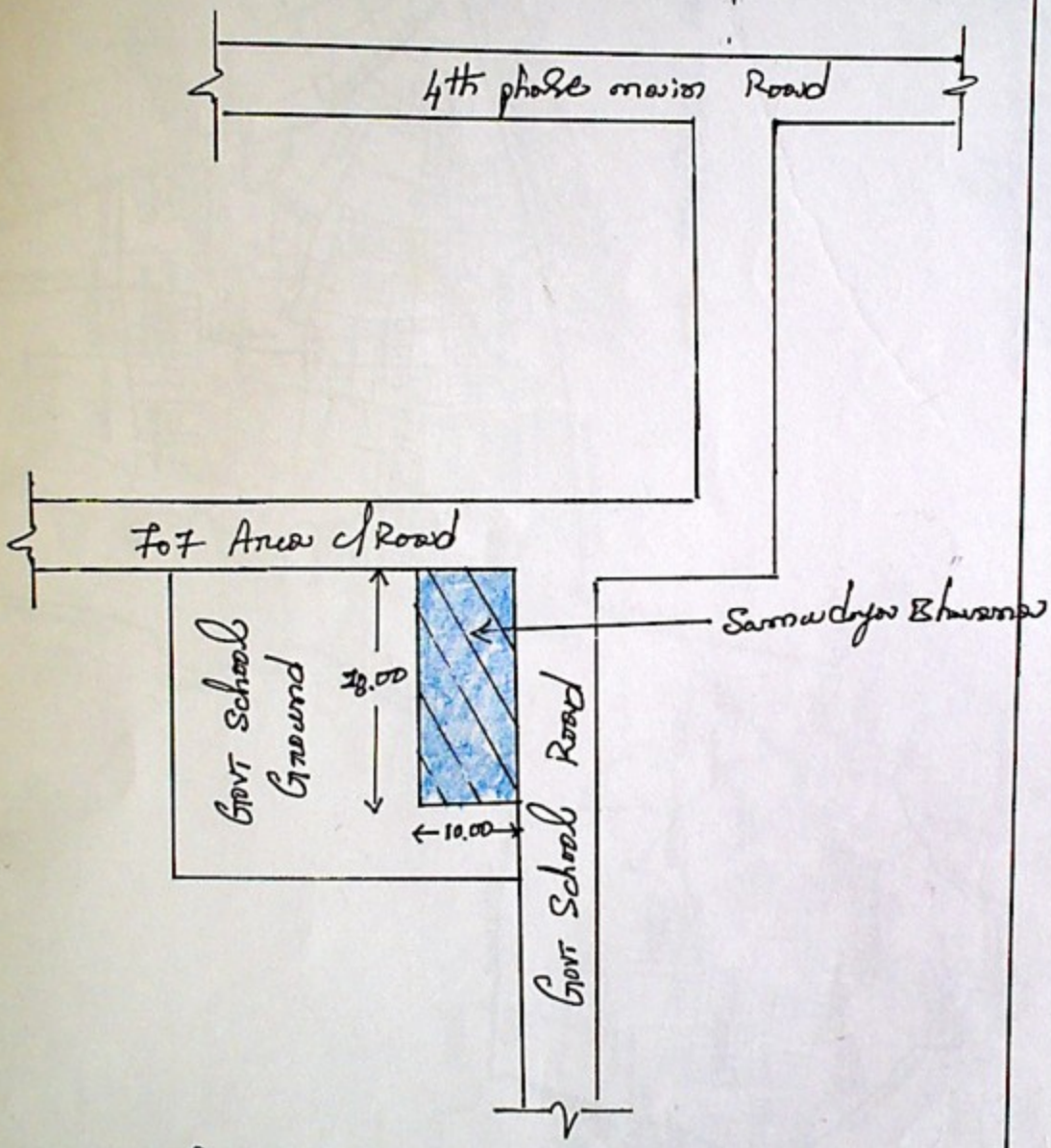
Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
B.B.M.P Division
Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 5.00 Lakhs
Five Lakhs only
is accorded under P.1771-2016.17
Registered as CE ( ) No. 9
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. EE/AA/60/16.17
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 5.00 Lakhs
Rupees Five Lakhs only
Under P.1771-2016.17
Registered as CE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. EE/75/90/16.17
Estimate / Sanctioned No.
Dated 16.2.17 Rs. 5.00 Lakhs
Executive Engineer

Name of works:- Repairs to Samudaya Bhavana & Providing wpc to Govt. School at yelahanka 4th phase in Attur ward no-03.



AE-01

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ:
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106